



Plant & Biodiversity

elixir
BELGIUM





PIPPA

A web-interface and database for the management of different plant phenotyping platforms, and the analysis of images and data

PIPPA is a central web interface and database that provides tools for the management of different types of plant phenotyping robots and for the analysis of images and data.

The public PIPPA interface provides access to the raw phenotypic data and linked metadata, making the data FAIR based on the MIAPPE standard. API calls are available for expert users to perform customised data requests. Through implementation of the Breeding API (BrAPI), PIPPA serves as a data provider for FAIDARE, an international portal to facilitate the discoverability of public data on plant biology. Bioschemas markup has been added to PIPPA to improve the findability of the data via public search engines. PIPPA is developed at Ghent University and VIB.

biodiversity.usegalaxy.be

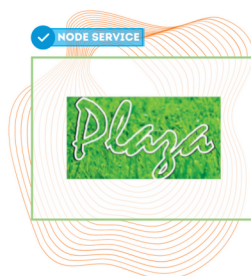
A useGalaxy.be subdomain enabling FAIR data analysis in the field of biodiversity.



biodiversity.usegalaxy.be is a subdomain of [useGalaxy.be](https://usegalaxy.be) to enable FAIR data analysis in the field of biodiversity. This Galaxy instance is packed with additional tools, workflows and training material for reproducible analysis in the fields of, among others, metagenomics, phylogenetics and ecology. The Galaxy subdomain is provided and maintained by the core ELIXIR Belgium team at VIB, and hosted on the Flemish Supercomputer Centre (VSC) resources.

PLAZA

A plant-oriented online resource for comparative, evolutionary and functional genomics



PLAZA is a plant-oriented online resource for comparative, evolutionary and functional genomics. It allows querying and visualising structural and functional annotations, gene families, protein domains, phylogenetic trees, and genome organisation. The PLAZA Workbench allows users to analyse multiple genes online, while bulk downloads and an API are available for expert users to perform customised large-scale analyses. PLAZA is developed at Ghent University and VIB.



ORCAE

A collaborative genome annotation resource offering tools and information to validate and correct gene annotations

ORCAE is a wiki style genome annotation and curation portal for eukaryotic species which offers the community the opportunity and means to improve genome annotations and to keep gene annotations up-to-date. The portal currently hosts several genome projects from around the world and a dedicated branch of ORCAE serves as the central data repository for the African Orphan Crops Consortium (ORCAE-AOCC). ORCAE is developed at Ghent University and VIB.

ELIXIR Belgium is the national node of ELIXIR, the intergovernmental organization that brings together life science resources from across Europe, supporting life science research and its translation to medicine, environment, the bio-industries, and society. The research infrastructure provides platforms and guidance for research data management and reproducible data analysis, and offers domain specific services for Plant and Biodiversity, Human health and COVID-19 research. ELIXIR Belgium also provides data related training and workshops.

Funders



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